

ABSTRACT

[0066] A pneumatic motion platform is disclosed, adapted to allow an open center to handle shear stress without the need for a central support. In an embodiment, the platform comprises a deck; a base; a plurality of inflatable actuators, each actuator attached to the deck at a predetermined location intermediate the base and the deck, the plurality of inflatable actuators adapted for use as an active motive force with respect to the deck in a plurality of planes; a plurality of compliant stabilizers disposed intermediate the deck and the base, at least one portion of each stabilizer disposed proximate a predetermined one of the plurality of inflatable actuators; a fluid controller in fluid communication with the plurality of inflatable actuators; and a source of fluid in fluid communication with the fluid controller. A ride vehicle may comprise a cabin attached to a deck attached to the motion platform attached to a rotator such as a turntable. It is emphasized that this abstract is provided to comply with the rules requiring an abstract which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims.